

From: [Bill Jacobs](#)
To: [Colwell Cook](#)
Subject: Re: Fw: Requested Article/Document Attached: Oestrous females investigate the unfamiliar male more than the...
Date: 04/19/2012 08:42 AM

I don't remember this one. Thank you (either way).

I'm not sure how relevant we'll find this paper to be, although it does suggest a behavioral tendency that would promote out-crossing, hence initial selection for heterozygosity.

As victims of "Tyranny-by-DNA", female rodents tend to employ reproductive "strategies" which 1) have them almost constantly pregnant via *post partum* mating and ensuring conceptions (i.e., involving multiple partners just in case one is a "dud" rather than a "dude"), 2) select for fitness among potential suitors, and 3) end receptivity abruptly once a sufficient number of matings with partners has occurred. (The females have embryos to nourish and often fresh litters of live pups as well, so they had better get on with those "chores".) For their part, male victims of "Tyranny by DNA" chase after the "hot" female, fight one another for access to her, and are oblivious to most other stimuli while mating is possible. If predators catch any mice during that time period, they usually catch males, which are expendable, after all.

▼ Colwell Cook---04/19/2012 08:12:02 AM---Not sure if we have sent this to each other... and may not be very important to the issue at hand, b

From: Colwell Cook/DC/USEPA/US
To: Bill Jacobs/DC/USEPA/US@EPA
Date: 04/19/2012 08:12 AM
Subject: Fw: Requested Article/Document Attached: Oestrous females investigate the unfamiliar male more than the...

Not sure if we have sent this to each other... and may not be very important to the issue at hand, but still an interesting paper.

CC

----- Forwarded by Colwell Cook/DC/USEPA/US on 04/19/2012 08:10 AM -----

From: Thea Allen/RTP/USEPA/US
To: Colwell Cook/DC/USEPA/US@EPA
Date: 04/18/2012 03:27 PM
Subject: Requested Article/Document Attached: Oestrous females investigate the unfamiliar male more than the...

The article/document you requested is attached. Please reply if you have any questions or problems with the file.

[attachment "oestrous females investigate the unfamiliar male more than the familiar.pdf" deleted by Bill Jacobs/DC/USEPA/US]

Note: The attached material may be protected by US Copyright (Title 17 US Code).

We hope you'll take a moment to let us know how satisfied you are with the EPA-RTP Library's services by responding to a short questionnaire. Please click on the link below to let us know how we are doing. We appreciate your feedback!

<http://www.surveymonkey.com/s.asp?u=878843202145>

Thea Allen, MLS
Interlibrary Loan/Cataloging Librarian, EPA Library
UNC Contract Staff
Mail Drop C267-01
109 TW Alexander Drive
RTP, NC 27711
Phone 919.541.1370 | Fax 919.685.3110
allen.thea@epa.gov